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# **PRATT & WHITNEY**

## **Voluntary Corrective Action Program**

### **Progress Report for Fourth Quarter - 2002**

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**PREPARED FOR**

**U.S. EPA Region I**

**JFK Federal Building  
Boston, MA**

**January 2003**



Loureiro Engineering Associates, Inc.

January 13, 2003

**U.S. EPA New England - Region I**

Mail Code HBT

One Congress Street, Suite 1100

Boston, MA 02114-2023

Attn.: Mr. Ernest Waterman

**RE: 25<sup>th</sup> Progress Report (Final)**  
**Pratt & Whitney Voluntary Corrective Action Program**  
**LEA Comm. No. 68VA110**

Dear Mr. Waterman:

Please find enclosed four copies of our 25<sup>th</sup> Voluntary Corrective Action Program Progress Report. As agreed, since stabilization has been achieved for all Connecticut Pratt & Whitney sites, with the exception of the East Hartford, Main Street facility, this will be the last quarterly progress report submitted. Progress on the East Hartford, Main Street facility will be communicated directly through the project managers.

If you have any questions, please call me at (860) 747-6181.

Sincerely,

  
**LOUREIRO ENGINEERING ASSOCIATES, INC.**

Jeffrey J. Loureiro, P.E.  
President

pc: Lauren Levine, United Technologies Corporation  
David Ringquist, CT DEP  
Manu Sharma, Gradient Corporation

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**PRATT & WHITNEY  
VOLUNTARY CORRECTIVE ACTION PROGRAM  
PROGRESS REPORT FOR FOURTH QUARTER 2002**

**Prepared for  
U.S. EPA New England - Region I  
JFK Federal Building  
Boston, MA**

**January 2003**

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## ACRONYMS

CT DEP	Connecticut Department of Environmental Protection
EI	Environmental Indicator
ELUR	Environmental Land Use Restriction
EPA	United States Environmental Protection Agency, Region I
LEA	Loureiro Engineering Associates, Inc.
RCRA	Resource Conservation and Recovery Act
TM	Technical Memorandum
USTM	Unit-Specific Technical Memorandum
UTC	United Technologies Corporation
VCAP	Voluntary Corrective Action Program



**UNITED TECHNOLOGIES CORPORATION  
PRATT & WHITNEY  
Voluntary Corrective Action Program  
Progress Report for Fourth Quarter 2002**

**1. INTRODUCTION**

**1.1 General**

This Progress Report is the 25<sup>th</sup> in a series of progress reports prepared on a quarterly basis during the Voluntary Corrective Action Program (VCAP). As agreed, since stabilization has been achieved for all Connecticut Pratt & Whitney sites, with the exception of the East Hartford, Main Street facility, this will be the last quarterly progress report submitted. Progress on the East Hartford, Main Street facility will be communicated directly through the project managers.

The progress reports were intended to provide the United States Environmental Protection Agency, Region I (EPA) with an overview of (1) the work performed during the reporting period, (2) a look ahead at activities planned for the next reporting period, and (3) the progress of interim measures being implemented. The progress reports also served as the vehicle for conveying minutes of the semiannual progress meetings with EPA and for summarizing key program issues that have arisen during the reporting period. The progress reports were not intended as a substitute for technical reports summarizing investigation and/or remediation activities, which will be prepared as appropriate throughout the course of the Program. Please see the individual site discussions for mention of any impending or submitted technical reports.

**1.2 VCAP Schedule and EPA Comments**

Of the five Connecticut Pratt & Whitney VCAP stabilization sites, only the East Hartford, Main Street facility, has not yet demonstrated compliance with CA 725 and CA 750. The Environmental Indicator (EI) determination documentation for the Willgoos facility was finalized and submitted in December 2002 demonstrating stabilization at the site. It is anticipated that completion of stabilization activities at the East Hartford, Main Street facility will occur in 2003.

**2. COMPLETED INVESTIGATION ACTIVITIES (LAST THREE MONTHS)**

This section provides a brief description of the investigation activities undertaken at each site during the last three months. Maps showing sampling locations updated through the reporting period are provided in the Appendices along with laboratory analytical data tables inclusive of data received through the reporting period, as appropriate.



## **2.1 East Hartford**

### **2.1.1 Klondike**

EPA, United Technologies Corporation (UTC), and Loureiro Engineering Associates, Inc. (LEA) have been working cooperatively in the preparation of the report for the Airport/Klondike area. For this reason, and to avoid duplication, no additional information is provided in this Progress Report.

### **2.1.2 Main Street**

Construction activities associated with the remediation of Willow Brook and Willow Brook Pond were completed August 31, 2002. The post-construction soil erosion and sediment control inspections required through the General Permit for the Discharge of Storm Water and Dewatering Wastewaters from Construction Activities stormwater were performed weekly through December 4, 2002. This general permit registration has subsequently been terminated. The Remedial Action Report summarizing the remedial activities performed throughout the project was completed and issued to the Connecticut Department of Environmental Protection (CT DEP) and EPA on November 1, 2002. Draft Environmental Land Use Restrictions (ELURs) for the project were prepared and submitted to the CT DEP on November 1, 2002.

The first quarterly post-remediation groundwater monitoring event for this project was performed on September 23 and 24, 2002, while the second quarterly event was performed on December 23 and 24, 2002. Monitoring will continue on a quarterly basis and reporting will be performed annually. As required, inspections of the engineered control were performed during these groundwater-monitoring events.

The first annual *Mitigation Monitoring Report* for the wetland and watercourse mitigation activities performed on the project was submitted on December 11, 2002 to the Army Corps of Engineers as required by the permit. A courtesy copy was also forwarded to the CT DEP. These reports will be prepared annually through 2007.

## **2.2 Willgoos - Stabilized**

UTC submitted a revised *Documentation of EI Determination for Groundwater Migration Under Control* for the UTC/Pratt & Whitney Willgoos facility located on Pent Road in East Hartford, Connecticut on December 13, 2002. EPA provided formal concurrence to UTC's demonstration that Groundwater Migration is controlled on January 6, 2003.

## **2.3 Colt Street – Stabilized**

## **2.4 Rocky Hill– Stabilized**

## **2.5 North Haven - Stabilized**



### **3. PLANNED ACTIVITIES (NEXT THREE MONTHS)**

This section provides a brief description of the investigation activities planned at each site during the next three months.

#### **3.1 East Hartford**

##### **3.1.1 Klondike**

The remaining sections of the summary report documenting the Airport/Klondike investigation and remediation to satisfy the RCRA Corrective Action requirements have been completed and were forwarded under separate cover. At this point, all sections of the report, Technical Memoranda (TMs), and Unit-Specific Technical Memoranda (USTMs), have been submitted to EPA as a comprehensive draft report. We look forward to discussing your comments and finalizing these documents in the near future.

EPA, UTC, and LEA continue to work cooperatively in the review of documents relating to the North Parcel of the Airport/Klondike. The documents include the North Parcel report (prepared by LEA) documenting investigation/remediation activities performed at the following environmental units: former Silver Lane Pickle Company; the North Klondike Undeveloped Land Outside Storage Area; the North Klondike Undeveloped Land Soil Piles; the former Army Barracks Area; and the Rentschler Airport Area) and the Marin Report (prepared by Marin Environmental Inc. for the Connecticut Office of Policy and Management for the transfer of the Stadium parcel).

The North Parcel includes an approximately 72-acre parcel (Stadium Parcel) and an approximately 3-acre parcel (Supplemental Stadium Parcel) that have been transferred to the State of Connecticut for a football stadium. UTC has submitted a letter to the EPA requesting that the EPA begin the process of releasing the Stadium Parcel from corrective action obligations, based on the prior investigation and the EPA review, indicating that there are no environmental issues on that parcel. UTC made a joint decision with the EPA to include the 3-acre Supplemental Stadium Parcel as part of the release from corrective action obligations since additional remediation activities have been completed on that site. Fuss & O'Neill, Inc, the State's consultant, has prepared a Remedial Action Report documenting these activities and this has been forwarded to the EPA. UTC has also prepared a draft Statement of Basis for the combined 75-acre Stadium Site and submitted it for the EPA's use.

Comments on the Statement of Basis had been received previously and the revised Statement of Basis was returned to EPA.

##### **3.1.2 Main Street**

Implementation of the post-remediation groundwater-monitoring program for the Willow Brook and Willow Brook Pond project will continue on a quarterly basis. As required, inspections of the engineered control will be performed during these groundwater-monitoring events. The annual reports summarizing both of these activities will be prepared and issued to the CT DEP by January 31, 2003.



**3.2 Willgoos - Stabilized**

**3.3 Colt Street – Stabilized**

**3.4 Rocky Hill – Stabilized**

**3.5 North Haven – Stabilized**

#### **4. INTERIM MEASURES**

This section provides a summary of some of the interim measures undertaken during this VCAP progress-reporting period. UTC/Pratt & Whitney is continuing to collect information on interim measures performed at each site and will provide a summary of any additional interim measures identified in the subsequent progress reports.

No interim measures were performed at the East Hartford, Willgoos, Colt Street, Rocky Hill or North Haven facilities during this reporting period.

